

**APPENDIX E**  
**PADER FILES**

**RAYMARK MANHEIM  
ENVIRONMENTAL SITE EVALUATION  
PADER File Search**

Files Reviewed

1. L3E/Raymark Corporation Hazardous Waste Enforcement PAD003015328 Raymark
2. LIB/Lancaster County General
3. LIE/Lancaster County Spills 198 -
4. L3I/Raymark Corporation Hazardous Waste Quality Hazardous Waste Reports
5. L3H/Raymark Corporation Hazardous Waste Inspection PAD003015328
6. L3G/Raymark Corporation Groundwater Monitoring 1994 Sample PAD003015328
7. L3G/Raymark Corporation Hazardous Waste Groundwater Monitoring 1979-1985 Sample PAD003015328
8. Manheim Borough General
9. Manheim Borough Groundwater
10. Raymark Industries, Inc. Lancaster Company/Manheim Borough 36807 IW
11. Raymark Industries, Inc. Lancaster Company/Manheim Borough WQ 008559
12. L3B/Raymark Correspondence 1985-
13. L3C/Raymark Hazardous Waste 1986-
14. Lancaster County General UST
15. WQ Lancaster (Alphabetically)
16. Raymark Industries, Inc. 36.807, AQ 36-058.1
17. Raymark Industries, Inc. 1987- 36.807, AQ 36-58.2
18. Raymark Industries, Inc. 1985-1986 36-00058.2
19. Raymark Industrial Division 1984 36-058.2
20. Raymark Industrial Division 4/93-12/93 36-058.2
21. Raymark Industrial Division 1980-3/93 36-058.2
22. Raymark Industries, Inc. AQ 36-302-058A
23. Raymark Industrial Division AQ 36-309-090 Building #2
24. Raymark Industries, Inc. AQ 36-309-92 36.807
25. Raymark Industries, Inc. 36-318-00109A
26. Raymark Industries, Inc. AQ 36-318-110B (Material enclosed for 36-318-114)
27. Raymark Industrial Division 36-318-122A
28. Raymark 36.807 AQ 36-319-001CD Building #67
29. Raymark Industries, Inc. 36-319-009B Building #70
30. Raymark Industries, Inc. 36-807 AQ 36-319-031B
31. Raymark Industrial Division 36-319-032
32. Raymark Industrial Division 36-319-033
33. Raymark Industrial Division 36-319-035 Building #36
34. Raymark Industries, Inc. AQ 36-319.036C (Includes 36-309-012)
35. Raymark Corporation 36-309-012 - Building #56
36. Raymark Industrial Division 36.807 AQ 36-319-036 Building #56
37. Raymark Industrial Division - Source Information
38. Universal Friction Composites AQ

**RAYMARK MANHEIM  
ENVIRONMENTAL SITE EVALUATION  
PADER File Search**

Files Reviewed (Continued)

- 39. Universal Friction Composites AQ 36-309-89
- 40. Manheim Township UST Lancaster Company M
- 41. Manheim Township UST Lancaster Company N-Z
- 42. Manheim Township UST Lancaster Company H-L
- 43. Manheim Township UST Lancaster Company E-G
- 44. Manheim Township UST Lancaster Company A-D
- 45. L2B Manheim Township General
- 46. Manheim TWP General 36937 Mancue
- 47. Manheim TWP Lancaster County
- 48. Manheim TWP General

**RAYMARK MANHEIM  
ENVIRONMENTAL SITE EVALUATION  
PADER File Search**

Files Copied

1. Enforcement files (L3E) 1991 Closure Plan (Executive Summary only)
2. (DER Waste Management) Ballard/Spar May 10, 1991 to Mr. Fair DER attach 1991 Closure Plan (2 pages)
3. DER/Hazardous Waste (L3I) Quarterly Hazardous Waste Report (4 pages)
4. DER/Hazardous Waste (L3G) Quarterly (third) Groundwater Analytical Results (2 pages)
5. DER/Hazardous Waste (L3G) Report on RCRA Groundwater Monitoring Program (65 pages)
6. DER/Hazardous Waste (L3H) Evaluation-Violation Enforcement Form (5 pages)
7. DER/IW (36807 IW) Residual Waste Impoundment Notification (Form T-3) (2 pages)
8. DER/Hazardous Waste (L3B) Correspondence (July 2, 1992) (1 page)
9. DER/Hazardous Waste (L3B) Assessment of Potential Lead Toxicity at Doe Run (6 pages)
10. DER/Hazardous Waste (L3C) 1991 Landfill Closure and Post-Closure Plan (18 pages)
11. DER/Correspondence (36-058.1) Correspondence (March 11, 1994) (1 page)
12. DER/Hazardous Waste (L3H) Unlawful disposal of solid and hazardous waste, violations of the solid waste laws and regulations ID No. PAD003015328 (11 pages)
13. DER/Hazardous Waste (L3H) Submission of plan regarding removal of baghouse dust (1 page)
14. DER/AQ (36.807; 36-058.1) Correspondence Inspection Form 7/26/94

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## II. DISCUSSION

At the request of Mr. Robert Moody an Asbestos Survey was conducted for the purpose of verifying the presence, types and location of asbestos containing materials, (ACM) within each building structure on the Manheim Pennsylvania industrial site. Additionally, all confirmed or assumed ACM's should be placed in a management plan which would include an operation and maintenance program to assist in the care and upkeep of in-place ACM.

The survey was based on AHERA protocol will include the following;

- A. Assessing each functional area for suspect materials and classifying each material as either surfacing, thermal system insulation or miscellaneous materials.
- B. Performing a non destructive survey to determine the presence of suspect ACM.
- C. Collecting samples of each material based on its AHERA classification for laboratory analysis.
- D. Review of building plans and discussions with client and staff regarding construction and renovation activities.
- E. Fiberglass materials were excluded in accordance with AHERA protocol as a known non asbestos material.

With the exception of the Administration Building, #77 all of the other buildings were assumed to have been constructed prior to 1978 the year of the Environmental Protection Agency's final prohibition of manufactured building materials with asbestos.

Physical sampling was limited to the three office buildings, #4, #7&28, #77 and the boiler house, #58. The boiler house exhibited each type of thermal system insulation anticipated during the course of our survey.

Within the remaining buildings we found that a limited number of homogeneous materials exists. Most of these consisted of thermal system insulation, roofing materials and caulking. All other suspect materials were assumed to contain asbestos in the remaining facility buildings.

**II. DISCUSSION CONTINUED:**

Building No. 58, (Boiler house)

HOMOGENEOUS NO.	MATERIAL	RESULT
01	HWT Insulation	Tested Positive
02	Boiler Tank Insl.	Tested Positive
03	Pipe Insulation	Tested Positive
04	Pipe Fitng. Insl.	Tested Positive
05	Boiler Top Insl.	Tested Positive
AA	Roofing Material	Assumed Positive
BB	Boiler Inter. Matl	Assumed Positive
CC	Window Caulking	Assumed Positive

The boiler house building, #58 exhibited neither surfacing materials nor miscellaneous materials with the exception of the roofing and caulking materials. The majority of materials consisted solely of thermal system insulation i.e., homogeneous groups one through five. These materials having tested positive for ACM were in fair condition with damage limited to less than ten percent per homogeneous material.

The boiler may contain asbestos in the form of rope caulking at the doors, asbestos refractories inside the boiler and/or asbestos insulation under the steel exterior jackets. Consequently, these boilers will require a separate assessment during a shut down or prior to demolition/replacement.

The roof appears to be constructed of felt and hot tar in a "built up" fashion continuing partially up parapet walls, vents and all other equipment penetrating the roof substrate. Asbestos was typically used in the tar used to bond the many layers of felt together.

This construction was observed typically throughout the facility on each building. All built up roof construction is assumed positive for asbestos.

The window caulking which seals pains of glass as well as the window sash in place also typically contained asbestos. Hence, these materials have been assumed to contain asbestos and will have to be handled appropriately during any renovation/demolition activity.

**II. DISCUSSION CONTINUED:**

Building No. 77, (Administration Building)

HOMOGENEOUS NO.	MATERIAL	RESULT
06	(12x12) White C.T.	Tested Negative
07	(9x9) White F.T.	Tested Positive
07	Floor Tile Mastic	Assumed Positive
08	(12x12) Brn F.T.	Tested Positive
08	Floor Tile Mastic	Tested Positive
09	Plaster Materials	Tested Negative
10	Pipe Fitting Insl	Tested Negative
11	Window Caulking	Assumed Positive
12	Roofing Materials	Assumed Positive

Building 77, is a three story masonry building with a flat roof and mechanical room penthouse above. This office building has an east and west stairwell accessing each floor. There are no elevators nor was any fireproofing observed above the ceilings on the Q decking. The building is heated by steam in the winter and cooled in the summer with an air conditioning system located in the penthouse mechanical room.

All surfacing materials were sampled homogeneously and tested **NEGATIVE** for asbestos.

Thermal system insulation consisted of fiberglass along each pipe run with hard mud packed insulation at each fitting which tested **NEGATIVE** for asbestos.

Miscellaneous materials consisted of both tested as well as assumed materials. The (2 x4) white ceiling tiles observed throughout the building tested **NEGATIVE** for asbestos, while both floor tiles and the (12 x12) brown floor tile mastic tested **POSITIVE** for asbestos.

**ASSUMED** asbestos containing materials included the (9 x9) white floor tile mastic, window caulking and roofing materials.

All of the assumed and confirmed asbestos containing materials were in fair to good condition. None of these materials present a health hazard or require an immediate response action at this time.



**II. DISCUSSION CONTINUED:****Building No. 4, (Laboratory)**

<b>HOMOGENEOUS NO.</b>	<b>MATERIAL</b>	<b>RESULT</b>
13	Wall Plaster	Tested Negative
14	Ceiling Tile Glue	Tested Positive
15	(12x12) C.T.	Tested Negative
16	Flex Connector	Tested Positive
17 17	Yellow/Brn Linol. Mastic	Tested Negative Assumed Positive
18 18	Grey Marble Linol Mastic	Tested Positive Assumed Positive
19 19	(12x12) Black F.T Mastic	Tested Positive Assumed Positive
20 20	Red Plaid Linol. Mastic	Tested Negative Assumed Positive
21 21	(9x9) Tan F.T. Mastic	Tested Positive Tested Negative
22 22	(9x9) Brown F.T. Mastic	Tested Positive Tested Negative
23	Transite Labtop	Assumed Positive
24	Transite Hoods	Assumed Positive
25	Roofing Materials	Assumed Positive
26	Pipe Insulation	Assumed Positive
27	Window Caulking	Assumed Positive

Building 4, is a two story masonry building with a flat roof and no basement. The primary function of this building is research with a laboratory on each floor. One stairwell at the main entrance provides access between floors. The building is heated by steam in the winter and centrally cooled in the summertime by stand alone a/c units at the stairwell to each floor.

All surfacing materials were sampled homogeneously and tested **NEGATIVE** for asbestos.

All thermal system insulation was **ASSUMED** with the exception of the cloth flex connectors between the A/C fan unit and ductwork which tested **POSITIVE** for asbestos.

**II. DISCUSSION CONTINUED:**

Building Nos. 7&amp;28, (Former Administration Bldg.)

HOMOGENEOUS NO.	MATERIAL	RESULT
40	Yellow Linoleum	Tested Negative
40	Mastic	Assumed Positive
41	(12 x12) Red FT	Tested Negative
41	Mastic	Assumed Positive
42	Ceiling Tile Glue	Tested Positive
43	Roofing Materials	Assumed Positive
44	Thermal System Insl	Assumed Positive
45	Window Caulking	Assumed Positive
46	Flex Connectors	Assumed Positive
47	Fiberglass C.T.	Non Asbestos
48	Cork Ceiling Tile	Non Asbestos

40	Yellow Linoleum	Tested Negative
40	Mastic	Assumed Positive
41	(12 x12) Red FT	Tested Negative
41	Mastic	Assumed Positive
42	Ceiling Tile Glue	Tested Positive
43	Roofing Materials	Assumed Positive
44	Thermal System Insl	Assumed Positive
45	Window Caulking	Assumed Positive
46	Flex Connectors	Assumed Positive
47	Fiberglass C.T.	Non Asbestos
48	Cork Ceiling Tile	Non Asbestos

Building 7&28, consists of two masonry buildings with flat roofs which may have been constructed independently but presently share a common passageway and thus have been treated as one. This two story former office building with a basement has four stairwells accessing floors one and two. The basement is accessed from the center stairwell off of the main building entrance. These buildings are heated by steam in the winter and cooled by central air conditioning identical to building four.

All surfacing materials were sampled homogeneously and tested **NEGATIVE** for asbestos.

All thermal system insulation including basement areas was **ASSUMED POSITIVE** for asbestos.

Miscellaneous materials consisted of both tested as well as assumed materials. The various ceiling tiles observed throughout the building either tested **NEGATIVE** for asbestos or were made of non asbestos materials such as cork and fiberglass. Also, each of the linoleum and various floor tile mastics tested **NEGATIVE** for asbestos. The (9 x9) white and (12 x12) tan/brown floor tiles along with the various ceiling tile's glue tested **POSITIVE** for asbestos.

**ASSUMED** asbestos containing materials include floor tile and linoleum mastics which negate the previously discussed flooring materials results. Additionally **ASSUMED** materials include roofing materials, thermal system insulation, window caulking and flex connectors. Additionally, we were not able to access the first **II**.

**II. DISCUSSION CONTINUED:**

floor tenant area. Consequently, any materials in this area should be ASSUMED POSITIVE for asbestos.

The assumed and confirmed asbestos containing materials were in fair condition primarily due to the lack of building heat in occupied areas as well as roof leaks observed from the second floor. Thermal system insulation represented a greater potential hazard group due to these conditions. These materials should be inspected for deterioration particularly if the roof leaks heavily. There is a hot water tank in the basement as well as various pipe fittings and insulation susceptible to water and moisture deterioration.

**Building No. 44, (Garage)**

HOMOGENEOUS NO.	MATERIAL	RESULT
49	Roofing Materials	ASSUMED POSITIVE
50	Window Caulking	ASSUMED POSITIVE
51	Thermal Sys. Insl	ASSUMED POSITIVE

Building 44, consists of a masonry one story three bay extended garage with a flat roof. It is heated by steam in the winter with no apparent air conditioning system for summer heat.

There were no surfacing materials observed during our inspection of the garage.

All thermal system insulation observed was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building No. 20, (Shed)**

HOMOGENEOUS NO.	MATERIAL	RESULT
52	Window Caulking	ASSUMED POSITIVE
53	Roofing Materials	ASSUMED POSITIVE

Building 20, consisted of a wood clad and frame building with a gable roof. The apparent use of this building was to protect pumps from the weather.

**II. DISCUSSION CONTINUED:**

No suspect surfacing materials were observed during this survey.

No suspect thermal system insulation was observed during this survey.

Miscellaneous materials were limited to roofing materials and ASSUMED POSITIVE for asbestos.

**Building No. 67**

HOMOGENEOUS NO.	MATERIAL	RESULT
54	Thermal Sys. Insl	ASSUMED POSITIVE
55	Window Caulking	ASSUMED POSITIVE
56	Roofing Materials	ASSUMED POSITIVE

Building 67, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. Suspect TSI was observed on fans and associated ductwork observed.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building No. 73**

HOMOGENEOUS NO.	MATERIAL	RESULT
57	Thermal Sys. Insl	ASSUMED POSITIVE
58	Window Caulking	ASSUMED POSITIVE
59	Roofing Materials	ASSUMED POSITIVE

Building 73, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were limited to roofing materials and ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:****Building No. 74**

HOMOGENEOUS NO.	MATERIAL	RESULT
60	Thermal Sys. Insl	ASSUMED POSITIVE
61	Window Caulking	ASSUMED POSITIVE
62	Roofing Materials	ASSUMED POSITIVE
63	(9 X9) Brown F.T.	ASSUMED POSITIVE
64	(2 x4) White C.T.	ASSUMED POSITIVE

Building 74, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. There is a small office and lunch area where a limited number of floor tiles and ceiling tiles were observed.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building No. 55**

HOMOGENEOUS NO.	MATERIAL	RESULT
65	Thermal Sys. Insl	ASSUMED POSITIVE
66	Window Caulking	ASSUMED POSITIVE
67	Roofing Materials	ASSUMED POSITIVE

Building 55, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. There was one suspect hot water tank in the locker room which is included in the TSI above.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:**

Building No. 3/16  
HOMOGENEOUS NO.

	MATERIAL	RESULT
74	Thermal Sys. Insl	ASSUMED POSITIVE
75	Window Caulking	ASSUMED POSITIVE
76	Roofing Materials	ASSUMED POSITIVE

Building Nos. 3/16, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. In addition to the typical pipe insulation found, we observed some duct insulation in this building.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

Building No. 3/16  
HOMOGENEOUS NO.

	MATERIAL	RESULT
77	Thermal Sys. Insl	ASSUMED POSITIVE
78	(2 x4) White C.T.	ASSUMED POSITIVE
79	(12 X12) White FT	ASSUMED POSITIVE
80	Window Caulking	ASSUMED POSITIVE
81	Roofing Materials	ASSUMED POSITIVE

Building Nos. 1, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. In addition to the typical pipe insulation found, we observed some duct insulation above dryer units in S/E corner of building. We assume that there may be a blanket type insulation across the tops of each dryer unit and this should be typical of other dryer units found within the facility.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:****Building No. 21  
HOMOGENEOUS NO.**

	<b>MATERIAL</b>	<b>RESULT</b>
82	Surfacing Materials	ASSUMED POSITIVE
83	Thermal Sys. Insl.	ASSUMED POSITIVE
84	Roofing Materials	ASSUMED POSITIVE

Building 21, consists of a single story masonry building which houses electrical services. The door was padlocked preventing access. Although we did not have access to the building it is doubtful that there would be thermal system insulation or surfacing materials in this building. It is possible that asbestos may have been used to wrap some of the wiring which could only be verified at a later date.

All surfacing materials were ASSUMED POSITIVE for asbestos

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 5/8**

<b>HOMOGENEOUS NO.</b>	<b>MATERIAL</b>	<b>RESULT</b>
85	Thermal Sys. Insl.	ASSUMED POSITIVE
86	Window Caulking	ASSUMED POSITIVE
87	Roofing Materials	ASSUMED POSITIVE

Building Nos. 5/8, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam. TSI included pipe, duct and dryer insulation materials.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:****Building 11**

HOMOGENEOUS NO.	MATERIAL	RESULT
88	Thermal Sys. Insl.	ASSUMED POSITIVE
89	(9 x9) Grey F.T.	ASSUMED POSITIVE
90	(2 X4) White C.T.	ASSUMED POSITIVE
91	Window Caulking	ASSUMED POSITIVE
92	Roofing Materials	ASSUMED POSITIVE

Building Nos. 11, consists of a single story masonry building with a flat roof. This building houses various manufacturing processes and is heated by steam and gas. However, since its remodelization, only the steam can be used for heat. Fiberglass batting was observed covering the ceiling with one small office with floor tile on the floor and a larger office with only (2 x4) ceiling tiles. TSI was limited to pipe insulation and fittings.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 2/27**

HOMOGENEOUS NO.	MATERIAL	RESULT
93	Plaster	ASSUMED POSITIVE
94	Thermal Sys Insl	ASSUMED POSITIVE
95	Floor Tile	ASSUMED POSITIVE
96	Window Caulking	ASSUMED POSITIVE
97	Roofing Materials	ASSUMED POSITIVE

Building 2/27, consist of two adjoined masonry buildings with flat roofs. Building 2 houses various manufacturing processes, while building 27 houses the locker rooms and toilet facilities for work personnel in building 2. The building is heated by steam in the winter with no apparent cooling system for summers.

Plaster surfacing materials were observed in building 27 on all walls and ceiling areas. This material was ASSUMED POSITIVE for ACM.



**II. DISCUSSION CONTINUED:**

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 9**

HOMOGENEOUS NO.	MATERIAL	RESULT
98	Thermal Sys Insl	ASSUMED POSITIVE
99	12x12 Floor Tile	ASSUMED POSITIVE
100	Window Caulking	ASSUMED POSITIVE
101	Roofing Materials	ASSUMED POSITIVE

Building 9, is a one story masonry building with a flat roof and no basement. This building houses various manufacturing processes and is heated by steam. No cooling system was observed.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 32, 33, 34**

HOMOGENEOUS NO.	MATERIAL	RESULT
102	Plaster	ASSUMED POSITIVE
103	Thermal Sys Insl	ASSUMED POSITIVE
104	12x12 White F.T.	ASSUMED POSITIVE
105	9x9 White F.T.	ASSUMED POSITIVE
106	Window Caulking	ASSUMED POSITIVE
107	Roofing Materials	ASSUMED POSITIVE

Buildings 32, 33, 34 are one common one story masonry building with a flat roof heated by steam. The east building houses the toilet facilities and lunch room which have both plaster walls and ceilings.

Plaster surfacing materials were all ASSUMED POSITIVE for ACM.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:****Building 49**

HOMOGENEOUS NO.	MATERIAL	RESULT
108	Thermal Sys Insl	ASSUMED POSITIVE
109	12x12 White C.T.	ASSUMED POSITIVE
110	Sheetrock	ASSUMED POSITIVE
111	Window Caulking	ASSUMED POSITIVE
112	Roofing Materials	ASSUMED POSITIVE

Building 49, is a one story building with offices and small testing or research areas with a gable roof. The building is heated by steam in the summer and cooled in the winter by a central system.

Surfacing materials consisted of sheetrock on the upper half of many of the interior walls which is ASSUMED POSITIVE for ACM.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 12/65**

HOMOGENEOUS NO.	MATERIAL	RESULT
113	Thermal Sys Insl	ASSUMED POSITIVE
114	12x12 White C.T.	ASSUMED POSITIVE
115	2x4 White C.T.	ASSUMED POSITIVE
116	12x12 Brown F.T.	ASSUMED POSITIVE
117	Sheetrock	ASSUMED POSITIVE
120	Window Caulking	ASSUMED POSITIVE
121	Roofing Materials	ASSUMED POSITIVE

Building 12/65, This single story masonry building is has a flat roof and is heated by steam in the winter. There is a tower above the one roof with suspect materials on the exterior.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:****Building 66**

HOMOGENEOUS NO.	MATERIAL	RESULT
122	Thermal Sys Insl	ASSUMED POSITIVE
123	2x4 White C.T.	ASSUMED POSITIVE
124	12x12 Tan/Brn FT	ASSUMED POSITIVE
125	Window Caulking	ASSUMED POSITIVE
126	Roofing Materials	ASSUMED POSITIVE

Building 66, is a one story masonry building which is heated by both steam and electric with a gable roof. This building consists of the plant main engineering offices

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**Building 56/70**

HOMOGENEOUS NO.	MATERIAL	RESULT
127	Thermal Sys Insl	ASSUMED POSITIVE
128	2x4 White C.T.	ASSUMED POSITIVE
129	Window Caulking	ASSUMED POSITIVE
130	Roofing Materials	ASSUMED POSITIVE

Building 56/70, is a one story common building with a flat roof which is heated by steam in the winter. Various manufacturing processes are conducted in here which include dryer ovens which have suspect insulation on their roofs as well as there associated ductwork. There was one large tank with suspect materials on it at the ceiling line of one of the interior passageways.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

**II. DISCUSSION CONTINUED:**

Building 36, 37, 38, 39  
HOMOGENEOUS NO.

HOMOGENEOUS NO.		MATERIAL	RESULT
131		Thermal Sys Insl	ASSUMED POSITIVE
132		2x4 White C.T.	ASSUMED POSITIVE
133		12x12 Black F.T.	ASSUMED POSITIVE
134		Window Caulking	ASSUMED POSITIVE
135		Roofing Materials	ASSUMED POSITIVE

Buildings 36, 37, 38, 39, comprise one masonry constructed building which is one story with a flat roof. This facility is heated by steam in the winter. Various forms of TSI were observed including fan, duct and oven suspect ACM insulation materials.

No suspect surfacing materials were observed during this survey.

All thermal system insulation was ASSUMED POSITIVE for asbestos.

Miscellaneous materials were all ASSUMED POSITIVE for asbestos.

### III. CONCLUSION:

Materials were classified as either surfacing, thermal system insulation or miscellaneous materials. Homogenized materials in buildings 58, 7/28 and 77 were sampled to confirm the presence or absence of ASBESTOS.

Materials observed within the remaining facility buildings were classified, homogenized and then ASSUMED POSITIVE for ASBESTOS.

All surfacing materials tested for the presence of asbestos tested NEGATIVE for ASBESTOS.

All thermal system insulation tested for the presence of asbestos tested POSITIVE for ASBESTOS.

The following Miscellaneous materials were ASSUMED POSITIVE for ASBESTOS:

All Roofing Materials	Transite Hoods and Lab tops
Window Caulking	Bldg. 77, White 9x9 FT Mastic
Bldg. 4, Yell/Brn Lin.Mastic	Bldg. 4, Grey Lin. Mastic
Bldg. 4, Blk FT Mastic	Bldg. 4, Red Lin. Mastic
Bldg. 7/28, Grn Lin. Mastic	Bldg. 7/28, White Lin. Mastic
Bldg. 7/28, Red Lin. Mastic	Bldg. 7/28, Blue Lin. Mastic
Bldg. 7/28, Yell. Lin. Mastic	Bldg. 7/28, Red FT Mastic

The following miscellaneous materials TESTED POSITIVE for ASBESTOS:

Bldg 77, 9x9 White FT	Bldg. 77, 12x12 Brn FT
Bldg. 4, Ceiling Tile Glue	Bldg. 4, Flex Connector
Blg. 4, Grey Linoleum	Bldg. 4, 9x9 Tan FT
Bldg. 4, 9x9 Brown FT	Bldg. 7/28, 9x9 White FT
Bldg. 7/28, 12x12 Tan/Brn FT	

The following miscellaneous materials TESTED NEGATIVE for ASBESTOS:

Bldg. 77, 12x12 White C.T.	Bldg. 4, 12x12 White C.T.
Bldg. 4, Yell/Brn Linoleum	Bldg. 4, Red Plaid Linoleum
Bldg. 4, 9x9 Tan F.T. Mastic	Bldg. 4, 9x9 Brn F.T. Mastic
Bldg. 7/28, Grn Marble Lin.	Bldg. 4, White Marble Lin.
Bldg. 7/28, 9x9 White FT Mastic	Bldg. 7/28, Tan/Brn FT Mastic
Bldg. 7/28, White/Tan Lin.	Bldg. 7/28, Red Marble Lin.
Bldg. 7/28, White 12x12 C.T.	Bldg. 7/28, Blue Marble Lin.
Bldg. 7/28, Lt.Brn Linoleum	Bldg. 7/28, Lt. Brn Lin.Mastic
Bldg. 7/28, Yell. Linoleum	Bldg. 7/28, Red 12x12 FT

Structures above various roofs are assumed positive with roofing materials. These much like many of the roofs may require a structural engineers sign-off in order to access for inspections or other work activity.

**HOMOGENEOUS SAMPLING LOCATIONS**

Raymark Industries, Inc.  
Universal Friction Composites Facility  
(N/A) = Not Analyzed

## Building #58

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-01-01	Upper Lvl, South End	Feed Wtr Tank Insulation	YES
95094-01-02	Upper Lvl, North End	Feed Wtr Tank Insulation	N/A
95094-02-03	#1 Boiler Upper Lvl,	South Drum Tank Insulation	YES
95094-02-04	#1 Boiler Upper Lvl	North Boiler Drum Tank Insulation	N/A
95094-03-05	Riser at S/E Door	Pre-molded Pipe Insl	YES
95094-03-06	#1 Pipe Feed Line	Pre-molded Pipe Insl	N/A
95094-04-07	Riser at S/E Door	Hard Mud Pack Insulation	YES
95094-04-08	#1 Pump Feed Line	Hard Mud Pack Insulation	N/A
95094-05-09	#1 Boiler, Top	Block/Trowel Insulation	YES
95094-05-10	#3 Boiler, Top	Block/Trowel Insulation	N/A

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #11

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-06-11	1st Flr, Conf Rm Ctr Rm	Wht Ceiling Tile 2X4	No
95094-06-12	2nd Flr, Telephone/Power Room Ctr	Wht Ceiling Tile 2X4	No
95094-06-13	3rd Flr, Hall Outside East Stair Exit	Wht Ceiling Tile 2X4	No
95094-07-14	1st Flr, West Stairwell S/E Corner	Wht 9X9 Floor Tile Insulation	YES
95094-07-14		Mastic	N/A
95094-07-15	2nd Flr, West Stairwell N/E Corner	Wht 9X9 Floor Tile	N/A
95094-07-15		Mastic	No
95094-07-16	3rd Flr, East Stairwell S/E Corner	Wht 9X9 Floor Tile	N/A
95094-07-16		Mastic	No
95094-08-17	1st Flr, East Telephone Rm at Base of Door Hinge	12x12 Brwn/Brw Speckle Flr Tile	YES
95094-08-17		Mastic	N/A
95094-08-18	2nd Flr, Ctr Southwest End of Floor	12X12 Brwn/Brw Speckel Flr Tile	N/A
95094-08-18		Mastic	YES
95094-08-19	2nd Flr, N/E Corner Computer Rm	12X12 Brwn/Brw Speckle Flr Tile	N/A
95094-08-19		Mastic	N/A
95094-09-20	2nd Flr, West Stairwell Under Side 3rd Flr Stairs	Ceiling Plaster	No
95094-09-21	2nd Flr, East Stairwell Below Light Switch	Wall Plaster	No



95094-09-22	1st Flr, South Exit Below Fire Extinguisher	Wall Plaster	No
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Raymark Industries, Inc.  
Universal Friction Composites Facility  
(N/A) = Not Analyzed

## Building #11

SAMPLE NO.	LOCATION	MATERIAL	ACM
95094-09-23	1st Floor, Main Hallway Left Side Water Cooler	Wall Plaster	No
95094-09-24	1st Flr, Reception Area Left Side Phone Closet	Wall Plaster	No
95094-10-25	Penthouse Mer Above Valve #9	Pipe Fitting	No
95094-10-26	1st Flr, Telephone Closet Right of Main Valve	Pipe Fitting	No

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #4

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-13-27	1st Flr, Right Side South Bldg Entrance	Wall Plaster	No
95094-13-28	1st Flr, Left Side closet Door und East Stairwell	Wall Plaster	No
95094-13-29	1st Flr, East Bldg Side 2nd Office West from South Entr Below Window	Wall Plaster	No
95094-13-30	1st Flr, Left Jamb upon Entering Men's Room	Wall Plaster	No
95094-13-31	2nd Flr, S/W Corner of Floor	Wall Plaster	No
95094-13-32	2nd Flr, N/W Corner of Floor	Wall Plaster	No
95094-13-33	Stairwell, Middle Lvl at Pipe Penetration thru North Wall	Wall Plaster	No
95094-14-34	2nd Flr, Above Hall AHU Top of Steps	Ceiling Tile Glue	YES
95094-15-35	2nd Flr, Top of Stairs	12 X12 White Ceiling Tile	No
95094-15-36	2nd Flr, Above Hall AHU Top of Steps	12 X12 White Ceiling Tile	No
95094-15-37	2nd Flr, North End Hall	12 X12 White Ceiling Tile	No
95094-16-38	1st Flr, Top of AHU by Stairwell	Cloth Flex Connector	YES
95094-17-39	1st Flr, Closet Left Entr East Center Office	Yellow/Brown Plaid Linoleum	No
95094-17-39		Mastic	N/A
95094-17-40	1st Flr, West Center Office at Riser	Yellow/Brown Plaid Linoleum	No
95094-17-40		Mastic	No

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #4

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-17-41	1st Flr N/W Office behind Entrance Door	Yellow/Brw Plaid Linoleum	No
95094-17-41		Mastic	No
95094-18-42	1st Flr, N/E Corner Hall Outside Lab	Gray Marble Linoleum	YES
95094-18-42		Mastic	N/A
95094-18-43	1st Flr, N/E Corner Hall Outside Lab	Gray Marble Linoleum	N/A
95094-18-43		Mastic	N/A
95094-18-44	S/W Corner of Stairwell Mid-Landing	Gray Marble Linoleum	N/A
95094-18-44		Mastic	N/A
95094-19-45	1st Flr Labs, S/W Corner at Drain Pipe	Black 12X12 Floor Tile	YES
95094-19-45		Mastic	N/A
95094-19-46	1st Flr Lab, N. Wall Below Sink	Black 12X12 Floor Tile	N/A
95094-19-46		Mastic	N/A
95094-19-47	1st Flr Lab, N. Side Men's Room Entrance	Black 12X12 Floor Tile	N/A
95094-19-47		Mastic	No
95094-20-48	2nd Flr, Side Top of Stairwell Hallway	Red Plaid Linoleum	No
95094-20-48		Mastic	N/A
95094-20-49	2nd Flr, N/W Corner Hall Outside the Laboratory	Red Plaid Linoleum	No
95094-20-49		Mastic	No
95094-20-50	2nd Flr, S. Side of S/W Corner Office Entrance	Red Plaid Linoleum	No
95094-20-50		Mastic	No

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #4

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-21-51	2nd Flr Lab, East Door Jamb	9X9 Tan Floor Tile	YES
95094-21-51		Mastic	No
95094-21-52	2nd Flr Lab, S/E Corner of N/E Office	9X9 Tan Floor Tile	N/A
95094-21-52		Mastic	No
95094-21-53	2nd Flr Lab, N/W Corner	9X9 Tan Floor Tile	N/A
95094-21-53		Mastic	No
95094-22-54	2nd Flr Lab, East Door Jamb	Brown 9X9 Floor Tile	YES
95094-22-54		Mastic	No
95094-22-55	2nd Flr Lab, S/E Corner of N/E Office	Brown 9X9 Floor Tile	N/A
95094-22-55		Mastic	No
95094-22-56	2nd Flr Lab, N/W Corner	Brown 9X9 Floor Tile	N/A
95094-22-56		Mastic	No
95094-28-57	1st Flr, S/W Center Office Doorway	Green Marble Linoleum	No
95094-28-57		Mastic	N/A
95094-28-58	1st Flr, South Office Entrance	Green Marble Linoleum	No
95094-28-58		Mastic	No
95094-28-59	1st Flr, S. Hall Jamb at Green Marble Seam	Green Marble Linoleum	No
95094-28-59		Mastic	No
95094-29-60	1st Flr, S. Hall Jamb at Green Marble Seam	White Marble Linoleum	No
95094-29-60		Mastic	N/A

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #7-28

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-29-61	1st Flr, Center S. Hall Toilet Entrance	Wht Marble Linoleum	No
95094-29-61		Mastic	N/A
95094-29-62	1st Flr, S/E Bldg Exit Threshold	Wht Marble Linoleum	No
95094-29-62		Mastic	N/A
95094-30-63	1st Flr, S/E Meter Room Entrance	9X9 Wht Floor Tile	YES
95094-30-63		Mastic	No
94094-30-64	1st Flr, S/E Meter Room Center	9X9 Wht Floor Tile	N/A
95094-30-64		Mastic	No
95094-30-65	1st Flr, S/E Meter Room at Riser	9X9 Wht Floor Tile	N/A
95094-30-65		Mastic	No
95094-31-66	1st Flr, Men's Room Threshold	12X12 Tan/Brw Flr Tile	YES
95094-31-66		Mastic	No
95094-31-67	2nd Floor, at Center Stairwell	12X12 Tan/Brw Floor Tile	N/A
95094-31-67		Mastic	No
95094-31-68	2nd Flr, at North Stairwell	12x12 Tan/Brn Floor Tile	N/A
95094-31-68		Mastic	No
95094-32-69	Mid-Level, S. Stairwell Ladies Room Threshold	White/Tan Linoleum	No
95094-32-69		Mastic	N/A
95094-32-70	Mid-Level, S. Stairwell Ladies Room N/E Corner	White/Tan Linoleum	No
95094-32-70		Mastic	N/A

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #7-28

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-32-71	Mid-Lvl, S. Stairwell Ladies' Room at Riser	Wht/Tan Linoleum	No
95094-32-71	Mastic		N/A
95094-33-72	1st Flr, 2nd Rm North of S/W Corner Floor	Red Marble Linoleum	No
95094-33-72	Mastic		N/A
95094-33-73	2nd Flr, S. File Room Top Ramp	Red Marble Linoleum	No
95094-33-73	Mastic		N/A
95094-33-74	2nd Flr, S. File Room Ctr S. End Floor	Red Marble Linoleum	No
95094-33-74	Mastic		N/A
95094-34-75	1st Flr, East Office by Main Entrance	12X12 Wht Ceiling Tile	No
95094-34-76	1st Flr, West Office Across from Main Entrance	12X12 Wht Ceiling Tile	No
95094-34-77	1st Flr, East Office Adjacent to S/W Entrance	12X12 Wht Ceiling Tile	No
95094-35-78	1st Flr, South Stairwell by Fire Extinguisher	Wall Plaster	No
95094-35-79	1st Flr, S/E Bldg. Corner Exit Right Side	Wall Plaster	No
95094-35-80	1st Flr, North Stairwell by Fire Extinguisher	Wall Plaster	No
95094-35-81	2nd Flr, Bldg. 28 at Water Fountain	Wall Plaster	No
95094-35-82	2nd Flr, N. Stairwell Left of Light Switches	Wall Plaster	No
95094-35-83	2nd Flr, S. Stairwell Lft of Fire Extinguisher	Wall Plaster	No

95094-35-84	2nd Flr, Cntr S. Perimeter Wall Near Light Switch	Wall Plaster	No
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Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #7-28

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-36-85	1st Flr, Walk in Safe Ctr N. Wall	Plaster	No
95094-36-86	1st Flr, Walk in Safe East Wall Ctr	Plaster	No
95094-36-87	1st Flr, Walk in Safe East Wall Ctr	Plaster	No
95094-37-88	2nd Flr, Bldg 28 Top of Stairs	Blue Marble Linoleum	No
95094-37-88		Mastic	No
95094-37-89	Mid-Lvl, Bldg 28 North Office by E. Radiator	Blue Marble Linoleum	No
95094-37-89		Mastic	N/A
95094-37-90	Mid-Lvl Bldg 28 Men's Room Foyer	Blue Marble Linoleum	No
95094-37-90		Mastic	N/A
95094-37-91	1st Flr, Foyer Bldg 28 at South Radiator	Blu/Brn Marble Linoleum	No
95094-38-91		Mastic	N/A
95094-38-92	1st Flr, Foyer at West Radiator Bldg 28	Blu/Brn Marble Linoleum	No
95094-38-92		Mastic	N/A
95094-38-93	1st Flr, Foyer Bldg 28 North Radiator	Blu/Brn Marble Linoleum	No
95094-38-93		Mastic	N/A
95094-39-94	1st Flr, Bldg. 28 Entrance Center Room	Lt Brown Linoleum	No
95094-39-94		Mastic	No
95094-39-95	1st Flr, Bldg. 28 Center of Center Room	Lt Brown Linoleum	No
95094-39-95		Mastic	No

Raymark Industries, Inc.  
 Universal Friction Composites Facility  
 (N/A) = Not Analyzed

## Building #7-28

SAMPLE NO	LOCATION	MATERIAL	ACM
95094-39-96	1st Flr, Bldg 28 N/W Corner Ctr Room Light Switch	Lt. Brn Linoleum	No
95094-39-96		Mastic	No
95094-40-97	1st Flr Bldg 28 Kitchen North Exit	Yellow Linoleum	No
95094-40-97		Mastic	N/A
95094-40-98	1st Flr, Bldg 28 Basement Door	Yellow Linoleum	No
95094-40-98		Mastic	N/A
95094-40-99	1st Flr, Bldg 28 Kitchen Closet Doorway	Yellow Linoleum	No
95094-40-99		Mastic	N/A
95094-41- 100	1st Flr, North Room Entrance	Red 12X12 Floor Tile	No
95094-41- 100		Mastic	N/A
95094-41- 101	1st Flr, North Room West Radiator	Red 12X12 Floor Tile	No
95094-41- 101		Mastic	No
95094-41- 102	1st Flr, North Room Below Sink	Red 12X12 Floor Tile	No
95094-41- 102		Mastic	N/A
95094-42- 103	1st Flr, East Office by Main Entrance	Ceiling Tile Glue	YES
95094-42- 104	1st Flr, West Office Across from Main Entrance	Ceiling Tile Glue	N/A
95094-42- 105	1st Flr, East Office Adj. to S/W Entrance	Ceiling Tile Glue	N/A